OPDS

The Offshore Petroleum Discharge System (OPDS) is a tanker transportable integrated fuel system. As a semi-permanent installation for the bulk transfer of large quantities of fuel from an offshore tanker to beach storage, it can interface with the Army's Inshore Petroleum Distribution System (IPDS).

OPDS COMPONENTS

A tanker to provide for storage, transport, deployment, recovery a repair capability for:

- **Single Anchor Leg Mooring (SALM)**
- **Conduit. Consisting of four nautical miles of six-inch internal di float/sink hose. Handling equipment onboard the tanker for dep and retrieving the conduit.**
- **Beach Termination Unit (BTU). The BTU acts as an anchor for the conduit on the beach at the high water mark.**

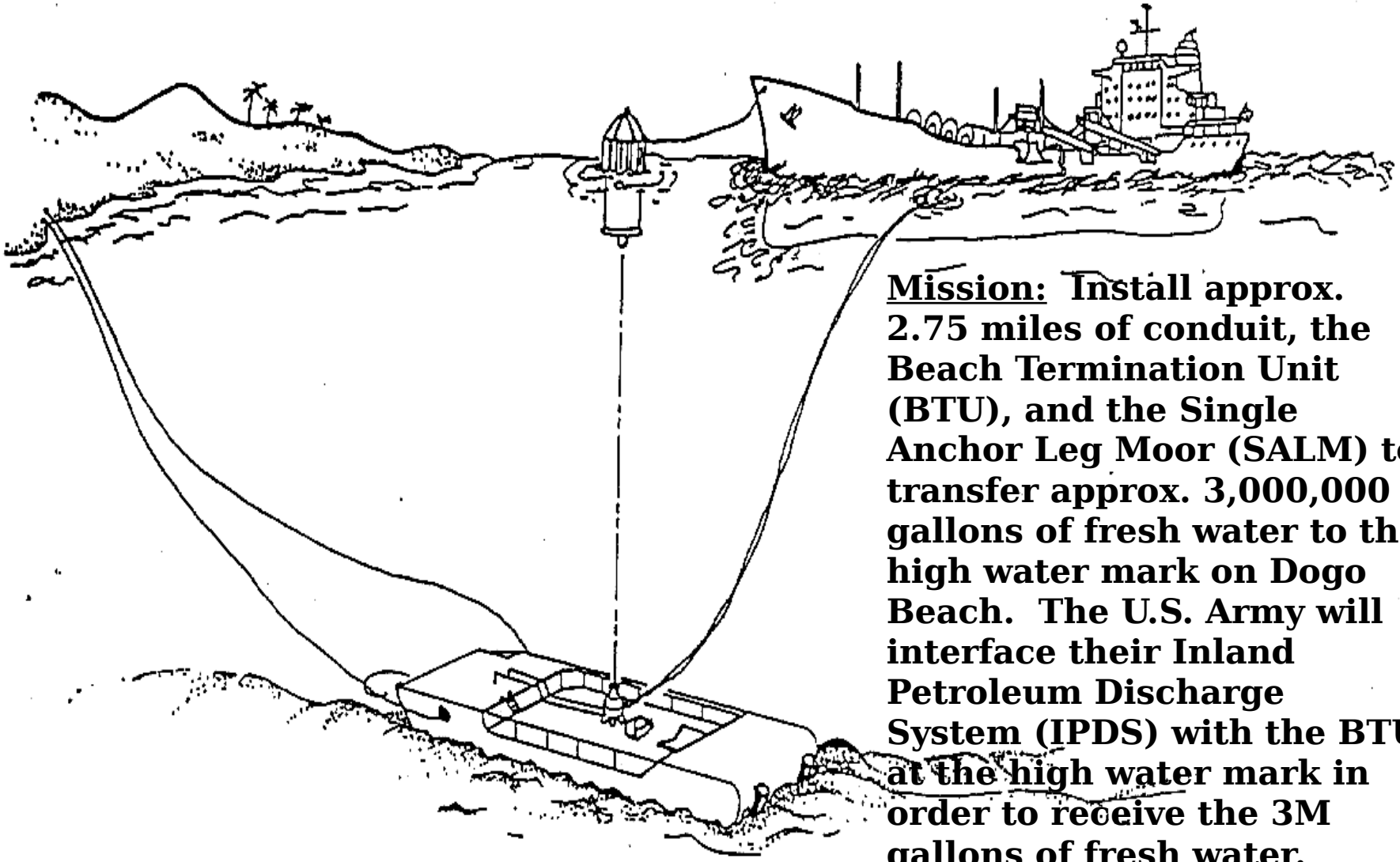
NEWLY ACQUIRED EQUIPMENT

- **Five OPDS Utility Boats (OUBs), three Tow Tugs, one Lay Repair S and one Dive Boat.**
- **Conduit Flooding Buoy (CFB). Permits natural flooding and expe deployment of the Conduit.**

OPDS CAPABILITIES

- INSTALLABLE IN WATER DEPTHS OF 35FT-200FT, UP TO
  4NM FROM SHORE.
- SYSTEM IS CAPABLE OF DELIVERING 1.2M GALLONS OF
  PRODUCT PER 20 HOUR DAY.
- MAXIMUM CONDITIONS FOR INSTALLATIONS ARE:
  5ft WAVE HEIGHTS
  16kts WINDS
  1.5kt CURRENT
- WHEN THE DISTANCE TO SHORE IS 2NM OR LESS, THE
  CAPABILITY TO DISCHARGE TWO PRODUCTS
  SIMULTANEOUSLY EXISTS.

FE98/FB99 OPDS MISSION



<u>Mission:</u> Install approx. 2.75 miles of conduit, the Beach Termination Unit (BTU), and the Single Anchor Leg Moor (SALM) to transfer approx. 3,000,000 gallons of fresh water to the high water mark on Dogo Beach. The U.S. Army will interface their Inland Petroleum Discharge System (IPDS) with the BTU at the high water mark in order to receive the 3M gallons of fresh water.

OFFSHORE PETROLEUM DISCHARGE SYSTEM

OPDS TANKER

"PROUD TO SERVE"

OFFSHORE PETROLEUM DISCHARGE SYSTEM

"PROUD TO SERVE"

DEPLOYMENT OF THE SALM